

**ELECTROMECHANICAL VALVE ACTUATOR FOR INTERNAL COMBUSTION ENGINES  
AND INTERNAL COMBUSTION ENGINE EQUIPPED WITH SUCH AN ACTUATOR**

**Abstract**

The present invention pertains to an electromechanical valve actuator for internal combustion engines, equipped with a polarized electromagnet (700) and with a magnetic plate (706) switching between a first position close to the electromagnet and a second position remote from the electromagnet, the switching times between these positions being determined depending on the operating state of the engine. According to the present invention, the actuator is characterized in that it comprises means for supplying the electromagnet with a variable attracting current in the course of the approach of the plate to the electromagnet.

Figure 7